

**POWER SELECTION SYSTEM FOR USE WITH A RECONFIGURABLE CIRCUIT
AND METHOD OF OPERATING THE SAME**

ABSTRACT OF THE DISCLOSURE

A power selection system for use with a reconfigurable circuit and a method of operating the same. In one embodiment, the power selection system includes a monitoring circuit that monitors an operating characteristic associated with at least one node located within the reconfigurable circuit. The power selection system also includes a mode selection circuit, coupled to the monitoring circuit, that selects a mode of operation for the reconfigurable circuit. The mode selection circuit selects a normal power mode when the operating characteristic falls within a predetermined operating range of the reconfigurable circuit. The mode selection circuit selects an alternative power mode when the operating characteristic falls outside of the predetermined operating range of the reconfigurable circuit.